

## **NEURONAL and OPTIC NERVE GENE EXPRESSION PATTERNS**

### **ABSTRACT**

The optic nerve axotomy model in mouse exhibits rapid changes in gene expression. Genes identified by microarray analysis as differentially expressed or modulated in this model, can be used diagnostically, therapeutically, and in drug discovery. These results provide clues to underlying molecular processes occurring during optic nerve degeneration, and provide direction for future cell-based studies.